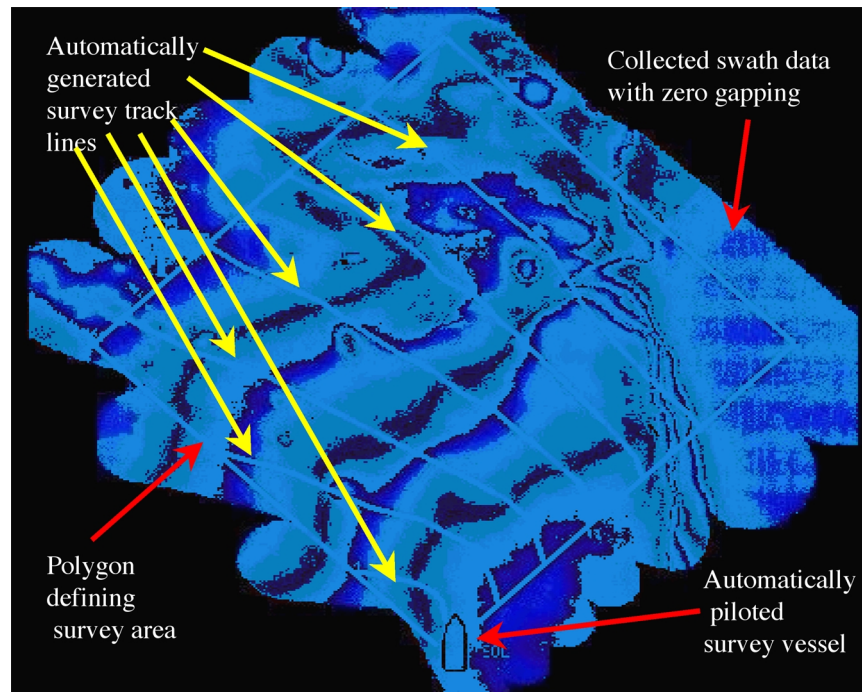# AUTOSURVEY SOFTWARE SYSTEM

The Naval Research Laboratory's AutoSurvey software system uses an environmentally adaptive approach for swath surveying that minimizes survey time while simultaneously ensuring data quality. AutoSurvey is applicable to any swath-type surveying system, e.g., multibeam bathymetry, sidescan sonar, aerial synthetic aperture radar (SAR), or laser bathymetry.

Advantages include:
- ❖ Survey time reduced by 15% or more while ensuring 100% coverage.
- ❖ Environmentally adaptive - modifies system deployment based on *in situ* performance
- ❖ Fully automated process reduces risk of human error
- ❖ Real-time quantified assessment of data quality and area coverage

Applications include:
- ❖ Oceanic and terrestrial surveys for chart/mapmaking
- ❖ Oil and gas exploration
- ❖ Construction
- ❖ Land-use assessment

Patent licenses are available to companies with commercial interest.

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